

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) A filter for purifying an exhaust gas containing particulate matter and nitrogen monoxide, comprising;

~~exhaust gas purifying filter which uses, as a basic unit, a pair of porous corrugated plate and a porous flat plate that support an exhaust gas purifying catalyst, has a molding formed by stacking up the pairs of the porous corrugated plate and the porous flat plate such that the ridge lines of the porous corrugated plates alternately cross perpendicularly, and~~

~~either one of side surfaces perpendicularly crossing said corrugated plate ridge lines, of the molding or two mutually-adjoining two surfaces of the molding are sealed, and~~

~~that are the perpendicularly-crossing side surfaces so that exhaust gas in-flow passage and out-flow passage are respectively formed between said porous corrugated plate ridge lines so that exhaust gas in-flow passages and exhaust gas out-flow passages are respectively formed between said porous corrugated plates via the porous flat plates; and~~

wherein an exhaust gas purifying catalyst is supported on the porous corrugated plates and the porous flat plates to form said exhaust gas in-flow passages,

said catalyst being an oxidizing catalyst which oxidizes nitrogen monoxide in the exhaust gas to nitrogen dioxide, then oxidizes the particulate matter deposited on the porous flat plates to carbon dioxide and water.

2. (Original) The filter according to Claim 1, wherein said exhaust gas purifying catalyst is an oxidizing catalyst that oxidizes nitrogen monoxide in the exhaust gas.

3. (Previously Presented) The filter according to Claim 1, wherein said

oxidizing catalyst contains platinum.

4. (Previously Presented) The filter according to Claim 1, wherein said oxidizing catalyst contains titanium oxide.

5. (Withdrawn) A particulate matter-containing exhaust gas purifying method using the filter according to Claim 1, comprising introducing the exhaust gas into said filter from the passage along the ridge line of the corrugated plate which passage is formed between the porous corrugated plate and porous flat plate of the molded body, allowing the gas cleaned in the passage to pass through the porous flat plate and the porous corrugated plate, and then discharging the gas from adjacent passages along the ridge lines of adjacent corrugated plates which passages are formed between porous flat plates and the porous corrugated plates and crossed at right angles with said passage along the ridge line of the corrugated plate.

6. (Currently Amended) ~~A particulate matter containing exhaust gas purifying device comprising:~~ ~~The filter according to Claim 1 comprising;~~ a means for introducing exhaust gas into said exhaust gas in-flow passage of the filter and a means for interrupting the passage of the gas discharged from said out-flow passage.

7. (Currently Amended) The ~~gas purifying device~~ ~~filter~~ according to Claim 6, wherein said means for interrupting the passage of the gas has a structure having the switching function of permitting or interrupting the passage of the gas.

8. (Currently Amended) A ~~filter for purifying an~~ particulate matter-containing exhaust gas containing particulate matter and nitrogen monoxide comprising :

~~purifying filter having a molding body provided with, as a basic unit, a pair of a porous corrugated plate and a porous flat plate, formed by stacking up pairs of a porous corrugated plate and a porous flat plate the basic units on each other such that the ridge lines of the porous corrugated plates alternately cross perpendicularly, and~~

either wherein one of the side surfaces crossing perpendicularly with said corrugated plate ridge line of the molded body or two mutually-adjoining surfaces of the molding that are sealedside surfaces crossing and,

perpendicularly crossing with said corrugated plate ridge lines and are adjacent to each other are sealed to form anso that exhaust gas in-flow passages and an exhaust gas out-flow passages are respectively formed between thesesaid porous corrugated plates through said porous flat plates, and

wherein an oxidizing catalyst that oxidizes nitrogen monoxide is supported on both surfaces of the porous corrugated plate and

on one surface of the porous flat plate which is in contact with the porous corrugated plate, forming the exhaust gas in-flow passage and

said oxidizing catalyst is supported on neither both surfaces of the porous corrugated plate nor one surface of the porous flat plate in contact with the porous corrugated plate, forming the exhaust gas out-flow passage

wherein the catalyst oxidizes nitrogen monoxide in the exhaust gas to nitrogen dioxide, then oxidizes the particulate matter deposited on the porous flat plates to carbon dioxide and water.

9. (Original) The filter according to Claim 8, wherein said oxidizing catalyst contains platinum.

10. (Previously Presented) The filter according to Claim 8, wherein said oxidizing catalyst contains titanium oxide.

11. (Withdrawn) A particulate matter-containing exhaust gas purifying method using the filter according to Claim 8, comprising introducing the exhaust gas into said filter from the passage along the ridge line of the corrugated plate which passage is formed between the porous corrugated plate and porous flat plate which support the oxidizing catalyst in the molded body, and discharging the gas cleaned in the molded body from the passage along the ridge line of an adjacent corrugated plate which passage is formed between the porous plate and porous corrugated plate supporting no

catalyst and which crosses perpendicularly with the passage of the ridge line of the corrugated plate.

12. (Currently Amended) A ~~particulate matter-containing exhaust gas purifying device comprising~~ ~~t~~The filter according to Claim 8, a means for introducing exhaust gas into said exhaust gas in-flow passage of the filter and a means for interrupting the passage of the gas discharged from said out-flow passage are provided.

13. (Currently Amended) The gas purifying devicefilter according to Claim 12, wherein said means for interrupting the passage of the gas has a structure having the switching function of permitting or interrupting the passage of the gas.

14. (Previously Presented) The filter according to Claim 2, wherein said oxidizing catalyst contains platinum.

15. (Previously Presented) The filter according to Claim 2, wherein said oxidizing catalyst contains titanium oxide.

16. (Previously Presented) The filter according to Claim 3, wherein said oxidizing catalyst contains titanium oxide.

17. (Withdrawn) A particulate matter-containing exhaust gas purifying method using the filter according to Claim 2, comprising introducing the exhaust gas into said filter from the passage along the ridge line of the corrugated plate which passage is formed between the porous corrugated plate and porous flat plate of the molded body, allowing the gas cleaned in the passage to pass through the porous flat plate and the porous corrugated plate, and then discharging the gas from adjacent passages along the ridge lines of adjacent corrugated plates which passages are formed between porous flat plates and the porous corrugated plates and crossed at right angles with said passage along the ridge line of the corrugated plate.

18. (Withdrawn) A particulate matter-containing exhaust gas purifying method using the filter according to Claim 3, comprising introducing the exhaust gas into said filter from the passage along the ridge line of the corrugated plate which passage is formed between the porous corrugated plate and porous flat plate of the molded body, allowing the gas cleaned in the passage to pass through the porous flat plate and the porous corrugated plate, and then discharging the gas from adjacent passages along the ridge lines of adjacent corrugated plates which passages are formed between porous flat plates and the porous corrugated plates and crossed at right angles with said passage along the ridge line of the corrugated plate.

19. (Withdrawn) A particulate matter-containing exhaust gas purifying method using the filter according to Claim 4, comprising introducing the exhaust gas into said filter from the passage along the ridge line of the corrugated plate which passage is formed between the porous corrugated plate and porous flat plate of the molded body, allowing the gas cleaned in the passage to pass through the porous flat plate and the porous corrugated plate, and then discharging the gas from adjacent passages along the ridge lines of adjacent corrugated plates which passages are formed between porous flat plates and the porous corrugated plates and crossed at right angles with said passage along the ridge line of the corrugated plate.

20. (Previously Presented) The filter according to Claim 9, wherein said oxidizing catalyst contains titanium oxide.